- (i) at least one cationic direct dye chosen from compounds of formulae (I), (II), (III) and (III') below, and
 - (ii) at least one thickening polymer;
- (a) wherein said compounds of formula (I) are chosen from compounds of formula:

$$A \longrightarrow D \longrightarrow D \longrightarrow N$$

$$X \xrightarrow{R_3} N$$

$$R_2$$
(I)

in which:

D is chosen from a nitrogen/atom and a -CH group,

 R_1 and R_2 , which may be identical or different, are chosen from a hydrogen atom; a 4'-aminophenyl radical; and C_1 - C_4 alkyl radicals which can optionally be substituted with a radical chosen from -CN, -OH and -NH $_2$ radicals; or

 R_1 and R_2 may form, with each other or with a carbon atom of the benzene ring of formula (I), a heterocycle optionally containing a heteroatom chosen from oxygen and nitrogen, which can be substituted with at least one radical chosen from C_1 - C_4 alkyl radicals:

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 R_3 and R'_3 , which may be identical or different, are chosen from a hydrogen atom, halogen atoms, a cyano radical, C_1 - C_4 alkyl radicals, C_1 - C_4 alkoxy radicals and acetyloxy radicals,

X is chosen from anions,

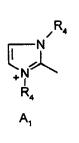
A is chosen from structures A_1 to A_{19} below:

\mathcal{B}

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$$R_{5} \xrightarrow{N=N+} R_{4}$$

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10

A₁₆

A₁₇

A₁₈

and

$$R_4$$
 N_+
 R_4

in which:

 R_4 is chosen from C_1 - C_4 alkyl radicals which can be substituted with a hydroxyl radical, and

R₅ is chosen from C₁-C₄ alkoxy radicals, and

wherein when D represents -CH, when A represents A_4 or A_{13} and when R_3 is not an alkoxy radical, R_1 and R_2 are not both a hydrogen atom;

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(b) wherein said compounds of formula (II) are chosen from compounds of formula:

$$B-N=N$$

$$X$$

$$R_{g}$$

in which:

R₆ is chosen from a hydrogen atom and C₁-C₄ alkyl radicals,

 R_7 is chosen from a hydrogen atom, alkyl radicals which can be substituted with a species chosen from a -CN radical and an amino group, and a 4'-aminophenyl radical, or forms, with R_6 , a heterocycle optionally comprising at least one heteroatom chosen from oxygen and nitrogen, which can be substituted with C_1 - C_4 alkyl radicals,

 R_8 and R_9 , which may be identical or different, are chosen from a hydrogen atom, halogen atoms, C_1 - C_4 alkyl radicals, C_1 - C_4 alkoxy radicals and a -CN radical,

X⁻/is chosen from anions,

 \mathring{B} is chosen from structures B_1 to B_6 below:

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$$R_{10}$$
 R_{10}
 R_{10}

and

B6

in which:

 $R_{\rm 10}$ is chosen from $C_{\rm 1}\text{-}C_{\rm 4}$ alkyl radicals, and

 R_{11} and R_{12} , which may be identical or different, are chosen from a hydrogen atom and C₁-C₄ alkyl radicals;

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(c) wherein said compounds of formulae (III) and (III') are chosen from compounds of formulae:

$$E-D_{1} = D_{2} - (N)_{m} - R_{13}$$

$$X - R_{15} - R_{13}$$

$$(III)$$

$$(III')$$

in which:

R₁₃ is chosen from a hydrogen atom, C₁-C₄ alkoxy radicals, halogen atoms and an amino radical,

 R_{14} is chosen from a hydrogen atom, C_1 - C_4 alkyl radicals or forms, with a carbon atom of the benzene ring, a heterocycle optionally containing an oxygen heteroatom and/or substituted with at least one radical chosen from C_1 - C_4 alkyl radicals,

R₁₅ is chosen from a hydrogen atom and halogen atoms,

 R_{16} and R_{17} , which may be identical or different, are chosen from a hydrogen atom, and C_1 - C_4 alkyl radicals,

D₁ and D₂, which may be identical or different, are chosen from a nitrogen atom and a -CH group,

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m is 0 or 1,

wherein when R_{13} is an unsubstituted amino group, D_1 and D_2 are both a -CH group and m is 0,

X⁻ is chosen from anions,

E is chosen from structures E_1 to E_8 below:

E6

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E7 - 9 -

and

in which R' is chosen from C₁-C₄ alkyl radicals;

wherein when m is 0 and when D_1 represents a nitrogen atom, E can be further chosen from structure E9 below:

E9

in which R' is chosen from C₁-C₄ alkyl radicals;

and

(d) wherein said at least one thickening polymer is chosen from polymers comprising at least one sugar unit.

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with the provisos that

- (1) when said at least one cationic direct dye is chosen from compounds of formula (I) wherein:
 - both D's are simultaneously nitrogen atoms,
 - R₃ and R'₃ are simultaneously hydrogen atoms,
 - R₁ and R₂ are simultaneously unsubstituted methyl radicals, and
 - A is A_s wherein R₄ is an unsubstituted methyl radical, or
- (2) when said at least one cationic direct dye is chosen from compounds of formula (III) wherein:
 - D₁ and D₂ are simultaneously nitrogen atoms,
 - m is zero
 - R₁₅ is/a hydrogen atom,
 - R₁₃ is a dimethylamino radical, and
 - ½ is E₈ wherein R' is an unsubstituted methyl group,

then the at least one thickening polymer is not chosen from at least one nonionic guar gum; and

with the further provisos that

(1) when said at least one cationic direct dye is chosen from compounds of formula (I) wherein:

A the state of the

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- both D's are simultaneously hitrogen atoms, and
- A is chosen from A₁₃, or
- (2) when said at least one cationic direct dye is chosen from compounds of formula (III) wherein:
 - D₁ and D₂ are simultaneously nitrogen atoms,
 - m is zero, and
 - E is E₂,

then said at least one thickening polymer is not chosen from hydroxyalkylcelluloses and carboxyalkylcelluloses.

30. (Amended) The composition according to Claim 1, wherein said composition further comprises at least one additional direct dye, different from said at least one cationic direct dye (i) as defined in Claim 1.

In Claim 41, line 1, delete "enyzmes" and replace with --enzymes--.

42. (Amended) The composition according to Claim 1, wherein said <u>at least</u>

one cationic direct dye and said at least one thickening polymer are present in

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said composition [is present] in an amount sufficient for [said] lightening [dyeing] direct

_dyeing.

45. (Amended) A process for dyeing keratin fibers, comprising applying [a] at least one dye composition [for the oxidation dyeing of keratin fibers] to said keratin fibers and developing for a period of time sufficient to achieve [the] a desired coloration, wherein said at least one dye composition comprises:

- (i) at least one cationic direct dye chosen from compounds of formulae (I), (II), (III) and (III') below, and
 - (ii) at least one thickening polymer;
- (a) wherein said compounds of formula (I) are chosen from compounds of formula:

 $A - D = D - N R_1$ $X \cdot R_3 \qquad (I)$

in which:

D is chosen from a nitrogen atom and a -CH group,

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 R_1 and R_2 , which may be identical or different, are chosen from a hydrogen atom; a 4'-aminophenyl radical; and C_1 - C_4 alkyl radicals which can optionally be substituted with a radical chosen from -CN, -OH and -NH $_2$ radicals; or R_1 and R_2 form, with each other or with a carbon atom of the benzene ring of formula (I), a heterocycle optionally containing a heteroatom chosen from oxygen and nitrogen, which can be substituted with at least one radical chosen from C_1 - C_4 alkyl radicals;

 R_3 and R'_3 , which may be identical or different, are chosen from a hydrogen atom, halogen atoms, a cyano radical, C_1 - C_4 alkyl radicals, C_1 - C_4 alkoxy radicals and acetyloxy radicals,

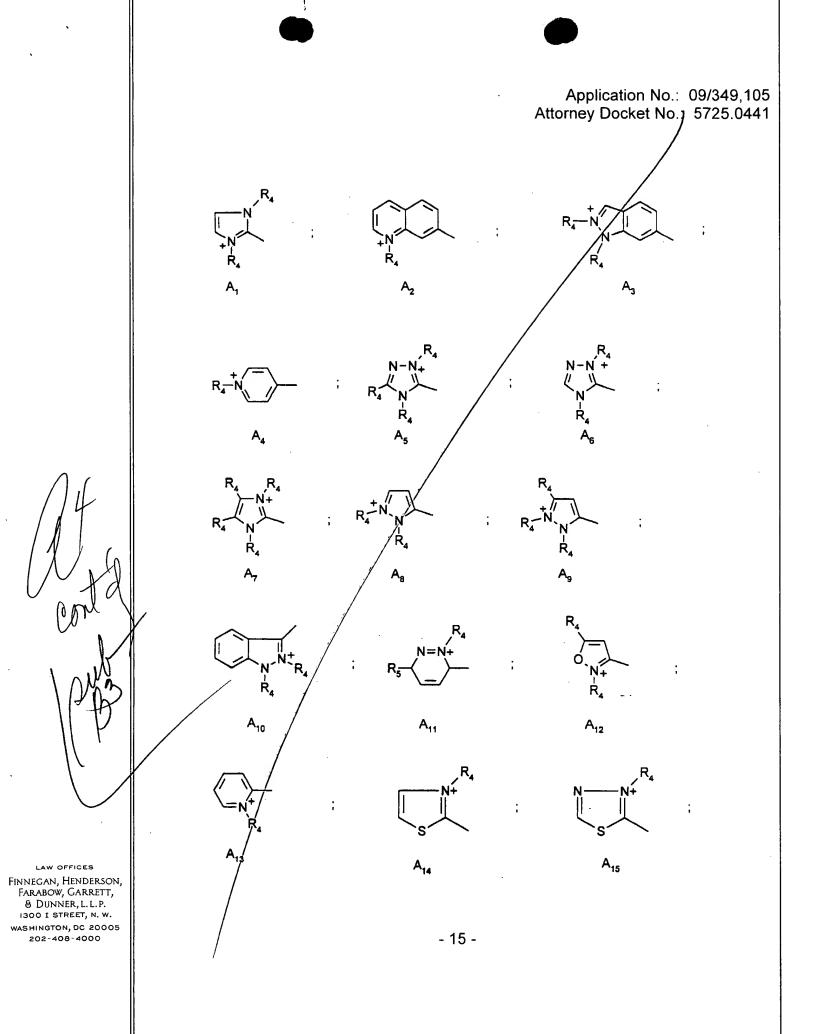
X is chosen from anions,

 \widehat{A} is chosen from structures A_1 to A_{19} below:

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A₁₆

A,,

and

R₄

in which:

R₄ is chosen from C₁-C₄ alkyl radicals which can be substituted with a hydroxyl

radical, and

R₅ is chosen from C₁-C₄ alkoxy radicals, and

wherein when D represents -CH, when A represents A_4 or A_{13} and when R_3 is not an alkoxy radical, R_1 and R_2 are not both a hydrogen atom;

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(b) wherein said compounds of formula (II) are chosen from compounds of formula:

$$B-N=N$$

$$X$$

$$R_{9}$$

$$R_{7}$$

$$(II)$$

in which:

R₆ is chosen from a hydrogen atom and C₁-C₄ alkyl radicals,

 R_7 is chosen from a hydrogen atom, alkyl radicals which can be substituted with a species chosen from a -CN radical and an amino group, and a 4'-aminophenyl radical, or forms, with R_6 , a heterocycle optionally comprising at least one heteroatom chosen from oxygen and nitrogen, which can be substituted with C_1 - C_4 alkyl radicals,

 R_8 and R_9 , which may be identical or different, are chosen from a hydrogen atom, halogen atoms, C_1 - C_4 alkyl radicals, C_1 - C_4 alkoxy radicals and a -CN radical,

X is chosen from anions,

B' is chosen from structures B_1 to B_6 below:

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$$R_{10}$$
 R_{10}
 R_{10}

B

∕B5

B6

in which:

R₁₀ is chosen from C₁-C₄ alkyl radicals, and

 R_{11} and R_{12} , which may be identical or different, are chosen from a hydrogen atom and C_1 - C_4 alkyl radicals;

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(c) wherein said compounds of formulae (III) and (III') are chosen from compounds of formulae:

$$E-D_{1}=D_{2}-(N)_{m}$$

$$X \cdot R_{15}$$

$$R_{16}$$
(III)

in which:

 R_{13} is chosen from a hydrogen atom, C_1 - C_4 alkoxy radicals, halogen atoms and an amino radical,

 R_{14} is chosen from a hydrogen atom, C_1 - C_4 alkyl radicals or forms, with a carbon atom of the benzene ring, a heterocycle optionally containing an oxygen heteroatom and/or substituted with at least one to radical chosen from C_1 - C_4 alkyl radicals,

R₁₅ js chosen from a hydrogen atom and halogen atoms,

 R_{16} and R_{17} , which may be identical or different, are chosen from a hydrogen atom and C_1 - C_4 alkyl radicals,

 D_1 and D_2 , which may be identical or different, are chosen from a nitrogen atom and a -CH group,

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m is 0 or 1,

wherein when R_{13} is an unsubstituted amino group, D_1 and D_2 are both a -CH group and m is 0,

X⁻ is chosen from anions,

E is chosen from structures E_1 to E_8 below:

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and

in which R' is chosen from C₁-C₄ alkyl radicals;

wherein when m is 0 and when D₁ represents a nitrogen atom, E can be further chosen from structure E9 below:

E9

in which R' is chosen from C₁-C₄ alkyl radicals;

and

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(d) wherein said at least one thickening polymer is chosen from polymers comprising at least one sugar unit.

with the provisos that

- (1) when said at least one cationic direct dye is chosen from compounds of formula (I) wherein:
 - both D's are simultaneously nitrogen atoms,
 - R₃ and R'₃ are simultaneously hydrogen atoms,
 - R₁ and R₂ are simultaneously unsubstituted methyl radicals, and
 - A is A₆ wherein R₄ is an unsubstituted methyl radical, or
- (2) when said at least one cationic direct dye is chosen from compounds of

formula (III) wherein:

- D₁ and D₂ are simultaneously nitrogen atoms,
- m is zero.
- R₁₅ is a/hydrogen atom,
- R₁₃ is/a dimethylamino radical, and
- E is E₈ wherein R' is an unsubstituted methyl group,

then the at least one thickening polymer is not chosen from at least one nonionic

guar gum; and

with the further provisos that

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(1) when said at least one cationic direct dye is chosen from compounds of

formula (I) wherein:

- both D's are simultaneously nitrogen atoms, and
- A is chosen from A₁₃, or

(2) when said at least one cationic direct dye is chosen from compounds of

formula (III) wherein:

- D₁ and D₂ are simultaneously nitrogen atoms.
- m is zero, and
- <u>- E is E₂,</u>

then said at least one thickening polymer is not chosen from

hydroxyalkylcelluloses and carboxyalkylcelluloses.

In Claim 48, line 6, delete "the desired" and replace with --a desired--.

In Claim 49, line 6, delete "the desired" and replace with --a desired--.

In Claim 50, line 6, delete "the desired" and replace with --a desired--.

In Claim 51, line 6, delete "the desired" and replace with --a desired--.

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